

Interactive comment on “Effects of vernal equinox solar eclipse on temperatures and wind directions in Switzerland” by Werner Eugster et al.

Anonymous Referee #3

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This work provides a thorough analysis of eclipse-induced responses as observed by a Swiss network of meteorological sites. A complexity of this region is of course the range of topography encountered, and the authors carefully separate the data obtained in different conditions. These reveal the wind direction and thermal changes, which are compared with previous studies. This is a valuable contribution to the literature and should be published.

In addition, the measurements in Switzerland are uniquely position to investigate the original interpretative ideas of Clayton, modified a century later by Aplin&Harrison. The scales employed are appropriate for this as they consider a large part of the European landmass away from coastal effects. Proper consideration of the remaining topographical aspects, as undertaken by the authors is therefore important in obtaining the un-

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derlying effects on the dynamical structures arising from eclipse meteorology.

Minor points p1 L7 sun's disk p1 L14 comma after "After the maximum,..." p1 L27 it's
→ its p9 L24 for p10 L1 mountain fig1 last line "its"

Section 2.6 Give some explanation of the consequences for the choice of the sill and range parameters

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